AVIATION SIMULATION TECHNOLOGY
INTRODUCES NEW COLOR VISUAL

Contact: Edward L. Keins

September 19, 1985, Bedford, MA – Aviation Simulation Technology has introduced a low cost color visual display as an option for its entire line of flight simulators.

The display, according to company president Edward L. Keins, is expected to sell for slightly less than $20,000 when purchased alone. As part of a new simulator installation it is priced at $9,750.

For a limited time, the company plans to offer a $5,000 rebate to existing customers who may wish to trade in their black and white visual. This offer will apply only to orders received before October 15th of this year.

The visual, which plugs into the simulator's data bus, is capable of generating a scene consisting of horizon, ground and runway/airport data in conjunction with the simulator's attitude, altitude, ground track and ground speed. The scene correlates with stored simulator data for airport locations and runway information. In addition, it permits operator selection of ceiling, visibility, day/night conditions and other functions.

In addition to color and content, the main difference between the new display and the company's existing display are resolution, detail, scene contents, smoothness and update rate. The scene produces better definition and greater detail without a noticeable "stair stepping" effect on the sloping horizon. Movement is relatively smooth and the update rate (the rate at which the scene changes) is designed to match human eye reaction. Given the simulator's high level of position resolution, scene drift is virtually eliminated.

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From an operational standpoint, more runway and ground detail are displayed to provide a better perception of motion, especially when the simulator is flying close to the ground. The addition of an approach lighting system, under instructor failure control, exposes pilots to changing decision heights under conditions where ILS components are inoperative. VASI lights, meanwhile, assist in flying visual approaches, and the discretionary capability of an instructor to add a VASI to any runway offers a valuable training aid.

AST's visual system meets the company's stated objective, which is to continually provide upgraded features whose cost is in reasonable proportion to that of the simulator. Like all of AST's modular additions, it can be installed in any simulator in operation, regardless of age.

Aviation Simulation Technology is a manufacturer of microprocessor based single and multiengine flight simulators for the civil aviation market.